

Abstract

A packet transmission apparatus includes a voice encoding unit 1 for voice-encoding an incoming voice band signal, a packet generating unit 2 for accepting the encoded voice signal from the voice encoding unit, and for assembling packets from the encoded voice signal and outputting them, a redundant packet generating unit 3 for accepting the encoded voice signal from the voice encoding unit 1, and for assembling redundant packets, a selector 5 for selecting, as an output source that furnishes packets to a transmission line (i.e., a transmission destination), either the packet generating unit 2 or the redundant packet generating unit 3, and a facsimile signal detecting unit 4 for determining whether or not the voice band signal is a facsimile signal associated with facsimile communications which are data communications selected in advance, and for controlling the selection by the selector 5 according to the determination result.